

## MDT Safety Module, MDRC

Version		
SCN-SAFE.01	Safety Module	2SU MDRC

The new MDT security module prevents all connection-oriented accesses of the ETS, such as the programming and also the unloading of the bus devices, in the KNX line. This significantly increases the safety of the protected line in the inner and in the outdoor area.

A manipulation of the device programming is no longer possible. The safety function is started automatically after bus voltage recovery / programming of the safety module. The deactivation of the safety function is possible depending on the set safety level via the control buttons on the device and /or with the safety password via telegram. The integrated device monitoring system controls up to 100 KNX devices cyclically. As soon as a device is missing or no longer responds due to a defect, an alarm message is sent.

Device monitoring is either active (polling of physical addresses or group addresses) or passive (detection if group addresses are sent cyclically). Events like an unauthorized programming process or a missing bus device are indicated by an alarm LED on the device, sent as an alarm object and additionally stored as a plain text message with time stamp in the internal ring memory of the security module.

The Safety Module is a modular installation device for fixed installation in dry rooms. It fits on DIN 35mm rails in power distribution boards or closed compact boxes.

For project design and commissioning of the Safety Module it is recommended to use the ETS or later.

Please download the application software at [www.mdt.de/Downloads.html](http://www.mdt.de/Downloads.html)

SCN-SAFE.01



- Production in Germany, certified according to ISO 9001
- Increases the safety of the protected line in the inner and in the outdoor area and protects against manipulations
- Easy retrofitting in existing KNX installations
- Blocks the connection and prevents the programming and unloading of KNX devices within the line
- Safety function is started automatically after bus voltage recovery and/or programming of the Safety Module
- Safety function can be temporarily disabled by pressing the button on the device or 14Byte telegram
- Safety function for detecting a failed device in the line
- Active or passive monitoring of up to 100 KNX devices
- Alarm is stored as plain text message in the internal ring memory
- Quick application download (long frame support for ETS5)
- Integrated bus coupling unit
- 3 years warranty

<b>Technical Data</b>	SCN-SAFE.01
<b>Specification KNX Interface</b>	TP-256 with long frame support for ETS5
<b>Available application software</b>	ETS 4/5
<b>Permitted wire gauge</b>	
KNX busconnection terminal	0,8mm Ø, solid core
<b>Supply voltage</b>	KNX Bus
<b>Power consumption KNX bus typ.</b>	< 0,2W
<b>Operation temperature range</b>	-10 to + 50°C
<b>Enclosure</b>	IP 20
<b>Dimensions MDRC (Space Units)</b>	2SU

**Exemplary circuit diagram SCN-SAFE.01**

